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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/939, 064	09/29/97	KAMACHI	T SONY-P7815

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EXAMINER
NGUYEN, T

ART UNIT	PAPER NUMBER
2773	<i>4</i>

DATE MAILED: 08/06/98

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No. 08/939,064	Applicant(s) KAMACHI
Examiner Thomas Nguyen	Group Art Unit 2773

Responsive to communication(s) filed on _____

This action is FINAL.

Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle 35 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claim

Claim(s) 1-6 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

Claim(s) _____ is/are allowed.

Claim(s) 1-6 is/are rejected.

Claim(s) _____ is/are objected to.

Claims _____ are subject to restriction or election requirement.

Application Papers

See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

The drawing(s) filed on _____ is/are objected to by the Examiner.

The proposed drawing correction, filed on _____ is approved disapproved.

The specification is objected to by the Examiner.

The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

All Some* None of the CERTIFIED copies of the priority documents have been received.

received in Application No. (Series Code/Serial Number) _____

received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

Notice of References Cited, PTO-892

Information Disclosure Statement(s), PTO-1449, Paper No(s). 5

Interview Summary, PTO-413

Notice of Draftsperson's Patent Drawing Review, PTO-948

Notice of Informal Patent Application, PTO-152

— SEE OFFICE ACTION ON THE FOLLOWING PAGES —

DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1,5-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Elliott et al.* US Patent 5,621,904.

2. *As per claim 1,5-6:* Elliott discloses a system and method of an image display a main window for displaying main information and a sub window for displaying accompanying information associated with main information, and automatically arrangement changing the display position move to main window within a preset predetermined value, and arranging of sub window to a position adjacent to main window (col.2 , line 40 to col.3, line 30; FIG.2), but Elliott does not teaches user-specified position for sub window move to main window. However, it would have been obvious to one of ordinary skill in the relevant art at the time of invention to includes user interface which system for moving a display position of sub window upon user-specified position, because it

allows user composition of screen layout.

3. *As per claim 2:* Recite from claim 1, Elliott discloses a system for display a sub window adjacent to main window within a preset predetermined value, but Elliott's system discloses automatic arrangement the horizontal line in ~~reverse~~ ^{reverse} order which is alignment on a same bottom side of sub window with bottom side of main window (FIG.2). However, it would have been obvious to one of ordinary skill in the relevant art at the time of invention for change sub window coordinate to alignment the upper sides instead lower side of main window and sub window, because organizing the display window this way in some cases may maximize the display area.

Claim 3-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Elliott et al.* US Patent 5,621,904 in view of *Suzuki et al.* US Patent 5,736,982.

4. *As per claim 3:* Recite from claim 1, but Elliott's video system does not discloses the main window displays a 3D Virtual Reality and sub windows display a chat perform via an avatar. However Suzuki teaches present invention system relates to a virtual space which allows avatar freely move to desired position in a shared in 3D virtual space (col.1, line 5-45, FIG.25). Therefore, it would have been obvious to one of ordinary skill in the relevant art at the time of invention to combine Elliott's position windows display and Suzuki's disclosures for obtaining an image display which main window in 3D virtual reality space and sub window of a movable chat avatar, because this would enhance system performance and usability.

5. *As per claim 4:* Recite from claim 3, Suzuki's system describes in virtual world 3D graphic data network such as LAN and perform two-way communication with the server which

described in VRML.

Conclusion

6.. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure

Santos-Gomez et al., US patent (5,771,042) discloses system which provide user interface to controlling the windows display.

Shiio et al., US patent (5,491,743) discloses system which provide 3D Virtual Reality of avatars in conference room.

Takeda et al., US patent (5,191,644) discloses system for controlling multiwindows.

Mariani et al., US patent (5,577,187) discloses system for controlling the display of windows in vertically or horizontally.

7. Responses to this action should be mailed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231. If applicant desires to fax a response, (703) 308-9051 may be used for formal communications or (703) 305-9724 for informal or draft communications. Please label "PROPOSED" or "DRAFT" for informal facsimile communications. For after final responses, please label "AFTER FINAL" or "EXPEDITED PROCEDURE" on the document. Hand delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

11. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to **Thomas Nguyen**, whose telephone number is (703) 308-7240. The examiner can normally be reached on Monday to Thursday 8:00 - 5:30 ET. If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Matthew M. Kim, can be reached at (703) 305-3821.

12. Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [Matt.Kim@uspto.gov]. All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark Office on February 25, 1997 at 1195 OG 89.

13. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Thomas T. Nguyen

July 30, 1998



RAYMOND J. BAYERL
PRIMARY EXAMINER
ART UNIT 2773